

267 CMR 4.00: STANDARDS OF PROFESSIONAL PRACTICE AND CONDUCT

Section

4.01: Scope of Practice for Full Licensees

4.02: Scope of Practice for Provisional Licensed Perfusionists

4.03: Scope of Practice for Students in Perfusion Training Programs

4.01: Scope of Practice for Full Licensees

(1) A fully licensed perfusionist may perform those functions and services which are necessary for the support, treatment, measurement or supplementation of a patient's cardiovascular, circulatory or respiratory systems or other organs, or any combination of those organs or systems; or which ensure the safe management of that patient's physiological functions through the monitoring and analysis of those bodily systems.

(2) The functions and services which may properly be performed by a fully licensed perfusionist include, but are not necessarily limited to, the following:

- (a) use of extracorporeal circulation and associated therapeutic and/or diagnostic technologies;
- (b) use of long-term cardiopulmonary support techniques, including extracorporeal carbon dioxide removal and extracorporeal membrane oxygenation and associated therapeutic and/or diagnostic technologies;
- (c) use or performance of counterpulsation;
- (d) use or performance of ventricular assistance;
- (e) use or performance of autotransfusion;
- (f) use or performance of blood conservation techniques;
- (g) use or performance of myocardial preservation and/or organ preservation techniques in connection with the performance of procedures involving cardiopulmonary bypass;
- (h) use or performance of extracorporeal life support services or techniques;
- (i) use or performance of isolated limb perfusion services;
- (j) use or performance of techniques involving blood management, advanced life support and other related functions;
- (k) administration of pharmacological and therapeutic agents through the extracorporeal circuit or through an intravenous line pursuant to an order from a duly licensed physician;
- (l) administration of anesthetic agents through the extracorporeal circuit or through an intravenous line pursuant to an order from, and under the direct supervision of, an anesthesiologist;
- (m) use or performance of physiologic monitoring;
- (n) use or performance of central hypothermia or hyperthermia;
- (o) use or performance of hemoconcentration, hemodilution or hemofiltration;
- (p) performance of anticoagulation monitoring;
- (q) performance of blood gas and blood chemistry monitoring and/or analysis;
- (r) performance of hematologic monitoring and/or analysis; and
- (s) the observation of signs and symptoms related to perfusion services, the determination of whether such signs or symptoms exhibit abnormal characteristics, and the implementation of appropriate reporting of the same;
- (t) the implementation of perfusion protocols, initiation of emergency procedures or implementation of changes in such emergency procedures in connection with any of the functions or services described in 267 CMR 4.01(2)(a) through (j); and
- (u) participation in clinical research protocols.

(3) All functions and services performed by a fully licensed perfusionist shall be performed pursuant to the orders of, and under the supervision of, a physician who is duly licensed to practice medicine in the Commonwealth of Massachusetts by the Massachusetts Board of Registration in Medicine.

(4) *In lieu* of a patient-specific order from a licensed physician, a fully licensed perfusionist may perform any or all of the functions and services enumerated in 267 CMR 4.01(1) or 267 CMR 4.01(2) pursuant to a written perfusion protocol which has been adopted or approved by the health care facility in which that licensed perfusionist performs perfusion functions or services, as long as:

4.01: continued

- (a) The protocol has been developed by a fully licensed perfusionist, a physician licensed to practice medicine in the Commonwealth of Massachusetts by the Massachusetts Board of Registration in Medicine who is actively engaged in the practice of cardiovascular surgery, and an anesthesiologist, a licensed physician, who is actively engaged in the practice of cardiovascular anesthesia;
- (b) The protocol adequately addresses the conditions and circumstances under which licensed perfusionists may perform the particular perfusion function(s) or service(s) covered by the protocol, and the manner in which such functions or services will be performed;
- (c) The protocol is reviewed and updated annually; and
- (d) The protocol is made available to the Board for review immediately upon request from any duly authorized representative of the Board.

(5) A fully-licensed perfusionist may implement perfusion protocols, make changes in such protocols, and/or institute emergency procedures, based upon his or her observations and analysis of signs and symptoms related to the implementation of perfusion services.

4.02: Scope of Practice for Provisionally Licensed Perfusionists

An individual who holds a provisional license to practice perfusion issued by the Board pursuant to 267 CMR 3.06 may perform any or all of the functions and/or services enumerated in 267 CMR 4.01, as long as:

- (1) He or she performs all such functions and/or services in accordance with all applicable requirements of 267 CMR 4.01; and
- (2) He or she performs all such functions and/or services under the supervision and direction of a perfusionist who holds a full license to practice perfusion issued by the Board and who provides the level of supervision required by 267 CMR 3.06(7).

4.03: Scope of Practice for Students in Perfusion Training Programs

A student who is duly enrolled in a perfusion education program may perform any or all of the functions and/or services enumerated in 267 CMR 4.01, as long as:

- (1) The perfusion education program in which the student is enrolled meets the educational standards established by the Accreditation Committee for Perfusion Education and which has been approved by the Commission on Accreditation of Allied Health Education Programs or its successor, or which has otherwise been approved by the Board;
- (2) The student is performing all such perfusion services as an integral part of his or her course of study in that perfusion education program;
- (3) The student performs all such perfusion services under the direct supervision of a perfusionist who has been duly licensed by the Board pursuant to 267 CMR 3.03, 267 CMR 3.04, or 267 CMR 3.05;
- (4) The licensed perfusionist who is providing supervision to the student pursuant to 267 CMR 3.02(4)(c) has been specifically assigned to provide such supervision to that student, and is on duty and immediately available in the same room in which the student is performing or providing the perfusion services;
- (5) The student is designated and identified by a title which clearly indicates his or her status as a student or trainee; and
- (6) All applicable requirements of 267 CMR 4.01 are otherwise met.

REGULATORY AUTHORITY

267 CMR 4.00: M.G.L. c. 112, § 219.